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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/082,334

02/26/2002

Jong-Hyuk Roh

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03/15/2006

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EXAMINER

PERUNGAVOOR, VENKATANARAY

ART UNIT

PAPER NUMBER

2132

DATE MAILED: 03/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/082,334	<b>Applicant(s)</b> ROH ET AL.	
	<b>Examiner</b> Venkatanarayanan Perungavoor	<b>Art Unit</b> 2132	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 13 February 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.


#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

  
**KAMBIZ ZAND**  
**PRIMARY EXAMINER**

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Response to Arguments***

1. The Applicant's arguments regarding Claims 1-15 are not persuasive. As Buttiker (US Patent Publication 2002/0176583 A1) discloses the modifying online of the certificates see Par. 0047 & Fig. 2 item 200 (revoking and validating of certificates). And further, the Applicant's arguments regarding registered members modifying the validity see Par. 0054 & Par. 0060.
2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

### ***Claim Rejections - 35 USC § 102***

3. Claims 1-15 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent Publication 2002/0176583 A1 to Buttiker.
4. Regarding Claim 1, Buttiker discloses the modifying the validity of a certificate using biometric information in PKI system using a server of CA (see Fig. 1 & Par. 0047 where he discloses handling, validating, and revoking) with login information in response to request from user see Par. 0062 & Fig. 1 item 57; inputting biometric information through a biometric unit see Fig. 1 item 1; generating a certificate validity modification message in response to the request

and the inputted biometric information and message to CA to modify the certificate validity see Par. 0054.

5. Regarding Claim 2, Buttiker discloses the inputted information and the request message being encrypted see Par. 0055-0056 & Par. 0062.
6. Regarding Claim 3, Buttiker discloses the modifying validity of a certificate using biometric information in a public key infrastructure including a registration authority for issuing certificates (see Fig. 1 & Par. 0047 where he discloses handling, validating, and revoking) after a receiving a message and login information requesting a user that is connected to the system thorough the Internet for modification see Fig. 2 item 200 & Fig. 1 item 57; determining whether the received information is the same as the biometric information in storage see Par. 0040 & Par. 0063-0065; modifying the validity of certificate and sending the acknowledgement of the change see Par. 0047 & Par. 0065 & Par. 0047.
7. Regarding Claim 4, Buttiker discloses the checking of integrity of request message see Par. 0054-0055.
8. Regarding Claim 5, Buttiker discloses the sending of an error message upon failure of user authentication see Par. 0054.

9. Regarding Claim 6, Buttiker discloses the revoking, suspending and recovering of certificates see Par. 0047(suspending and recovering is implicitly suggested where Buttiker discusses handling and certificate management).
10. Regarding Claim 7, Buttiker discloses the database storing biometric information of user registered as a member see Par. 0054 & Par. 0062.
11. Regarding Claim 8 and 12, Buttiker discloses the biometric information being input by the user by a input unit see Fig. 1 item 31.
12. Regarding Claim 9-11 and 13-15, Buttiker discloses the fingerprint and other biometric data being inputted see Fig. 1 item 31 and 1.

### ***Conclusion***

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S Patent Publication 2003/0208684 A1 to Camacho et al.

U.S. Patent 6,928,546 to Nanavati et al.

14. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a). A shortened statutory period for reply to

this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

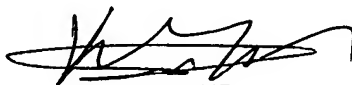
15. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Venkatanarayanan Perungavoor whose telephone number is 571-272-7213. The examiner can normally be reached on 8-4:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2132

16. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

VP

3/10/2006

  
KAMBIZ ZAND  
PRIMARY EXAMINER

Venkatanarayanan Perungavoor  
Examiner  
Art Unit 2132